

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
STUDY PLAN**

Study ID code	CAPMC-T-9930-IN	
Title	Vegetative control of Medusahead	
National Project No.	Rangeland 1.1	
Study Type	AE	
Study status	Active	
Location	Jackson	
Study Leaders	David Dyer, CAPMC	
Duration	2002 - 2005	
Cooperators	NRCS field office, Jackson hunting club	
Land Use	Rangeland	
Vegetative Practices	Primary	550 Range planting
	Secondary	512 Pasture and hay planting
Resource concerns	<u>Resource</u>	<u>Consideration/Problem</u>
	Animals	Grazing land conservation
	Plants	Invasive species
Long Range Plan	Study falls under Section IV, Part 1 and 4 of the CA PM LRP	
Description	Determine the effectiveness of vegetative control of Medusahead using Lana vetch and P fertilizer. Determine the proper rate of P to apply. Update the vegetative guide for use in farm bill programs.	
Status of Knowledge	Past PMC research has determined that Lana seeded at 20 pounds of PLS per acre works. Additional research is needed to determine the proper P fertilizer rate for maximum Lana growth which will compete with Medusahead.	
Experimental Design	RCB Design, three replications	

Treatment 1	Title: Broadcast seed Lana in the fall with P applications Description: Above plus P fertilizer applied at three rates 50, 100, 150 pounds per acre.
Materials and Methods	Lana seed assembled from PMC inventory in 2002. A total of one acre will be seeded to replicated plots. Lana is seeded at 20 pounds PLS per acre seeded in fall. Apply three rates of P fertilizer. Evaluate plots for vigor, stand establishment, height, Medusahead control, etc.
Final Evaluations	None
Technology Transfer Products	Revise FOTG standards, TechNote
Literature Cited	Past PMC research has determined that Lana seeded at 20 pounds of PLS per acre works. Additional research is needed to determine the proper P fertilizer rate for maximum Lana growth which will compete with Medusahead.
Keywords	Rangeland, establishment methods, native grass
Review by: Approvals:	CA. State Plant Materials Committee As per approval of CAPMC Business Plan